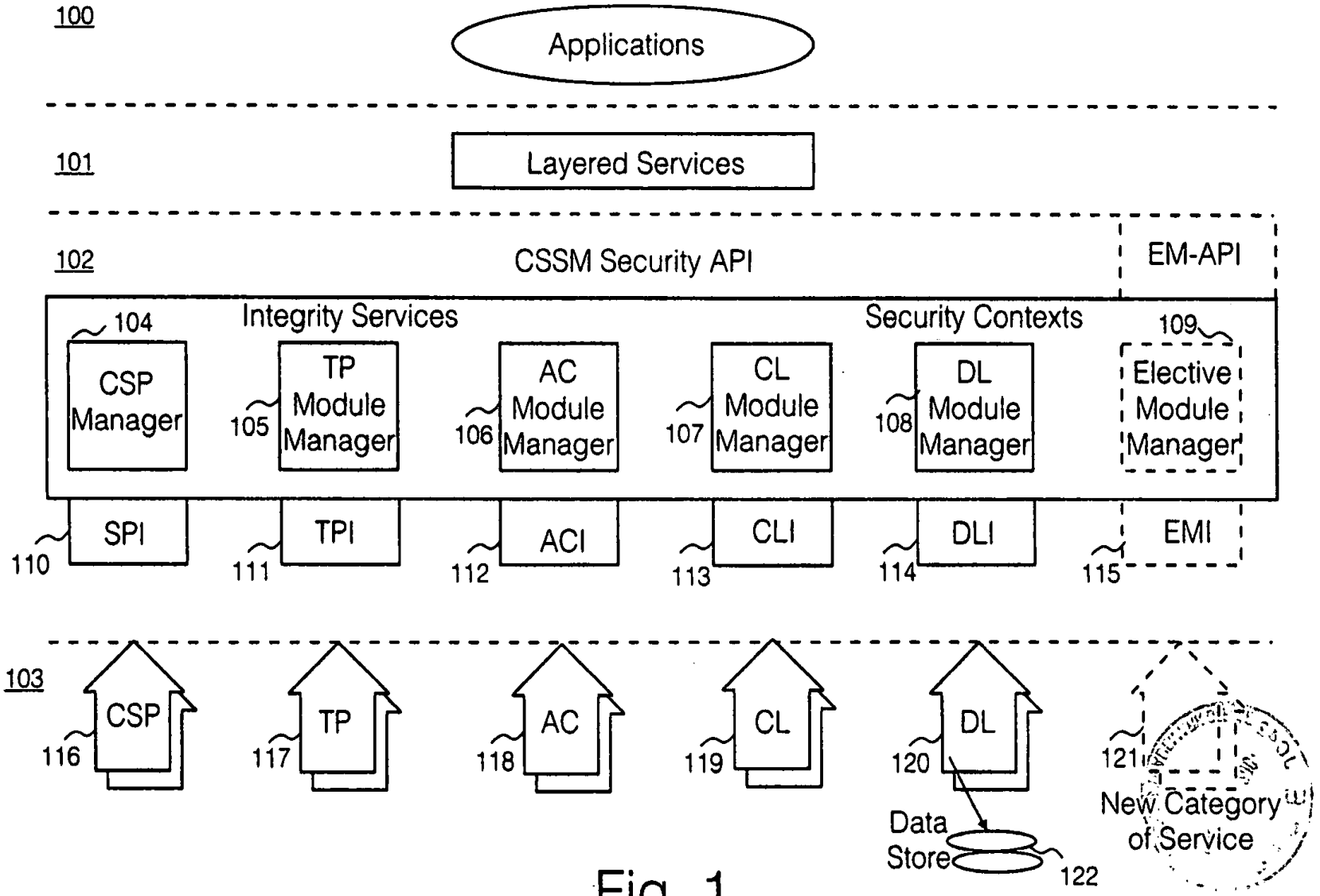

Fig. 1
(prior art)

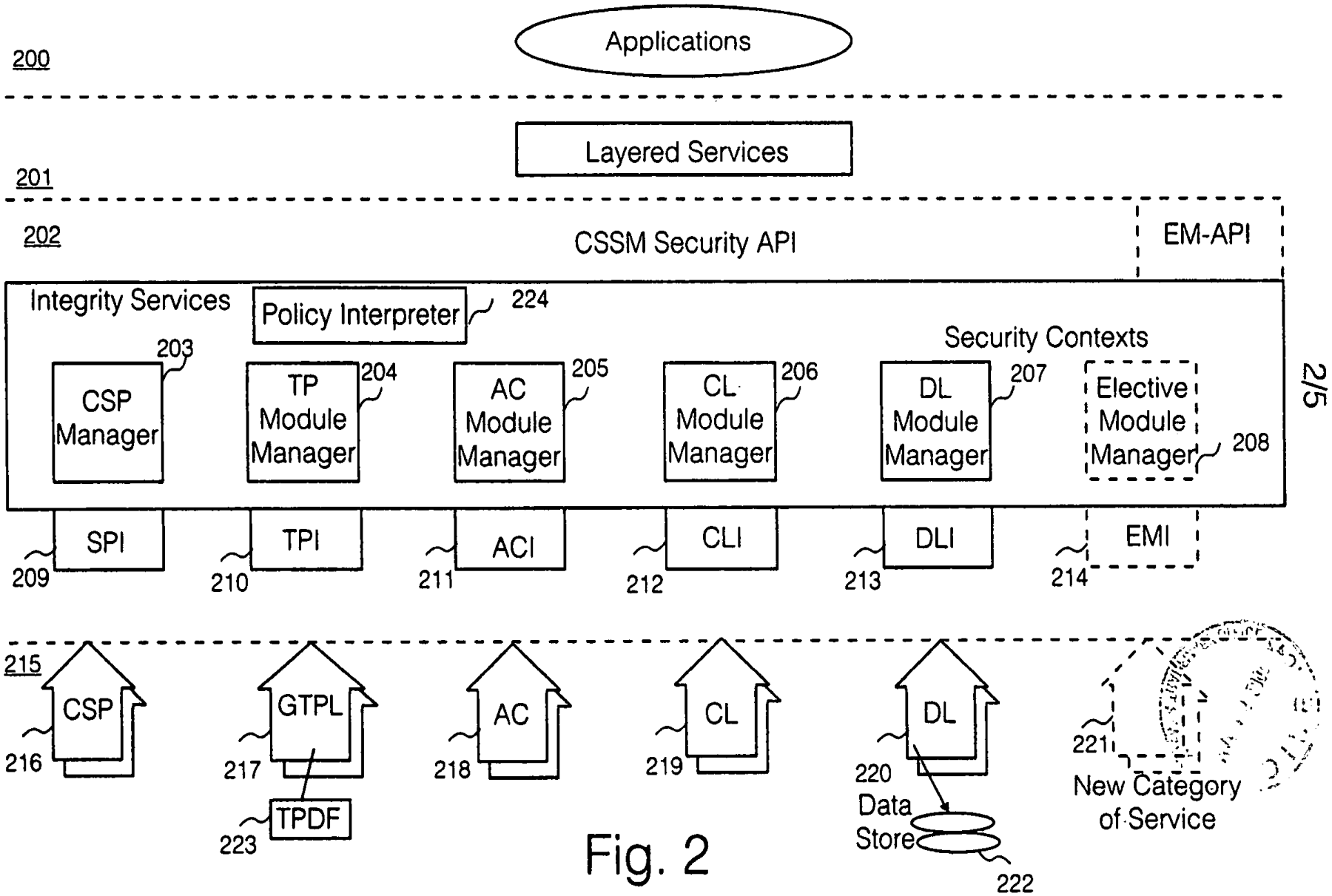
200
Applications
Layered Services
201
202
CSSM Security API
EM-API
Integrity Services
Policy Interpreter
224
Security Contexts
203
CSP Manager
204
TP Module Manager
205
AC Module Manager
206
CL Module Manager
207
DL Module Manager
Elective Module Manager
208
SPI
TPI
ACI
CLI
DLI
EMI
209
210
211
212
213
214
215
CSP
GTPL
AC
CL
DL
216
217
218
219
220
221
TPDF
223
Data Store
222
New Category of Service

Fig. 2

```
User_can_transfer_from_accountA_to_accountB_by_pounds (U,A,B,P):-
P< 10000.00,
balance_of_account (BalanceA),          // The balance of account A is Balance.
P< Balance,
owner_of_account (U,A),                 // The user is the owner of bank  account A.
owner_of_account (U,B),                 // The user is the owner of bank account B.
```

Fig. 3

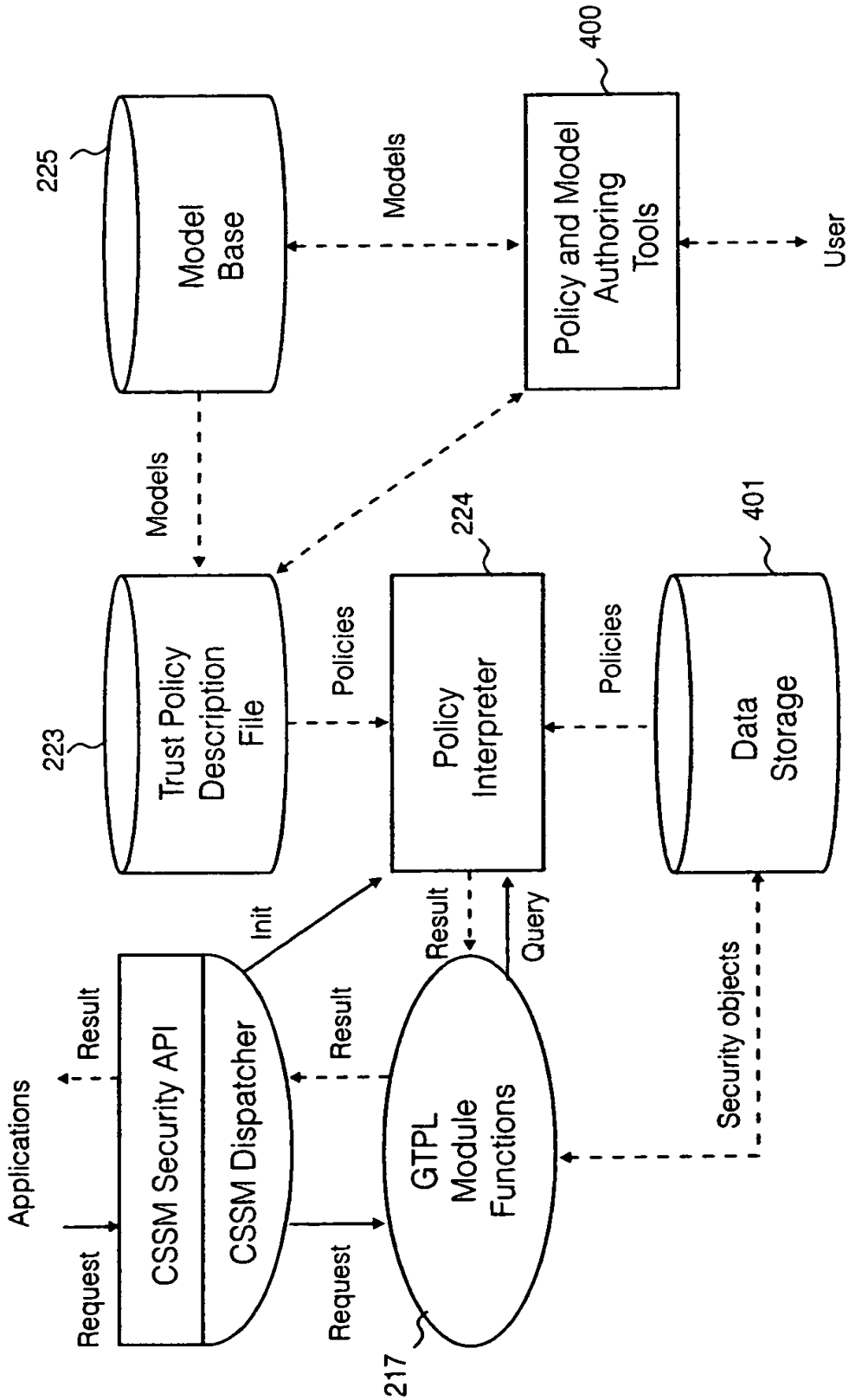
225
Model Base
Models
400
Policy and Model Authoring Tools
User
Models
223
Trust Policy Description File
Policies
224
Policy Interpreter
Policies
401
Data Storage
Applications
Request
Result
CSSM Security API
CSSM Dispatcher
Request
Result
Init
Result
Query
GTPL Module Functions
Security objects
217

Fig. 4

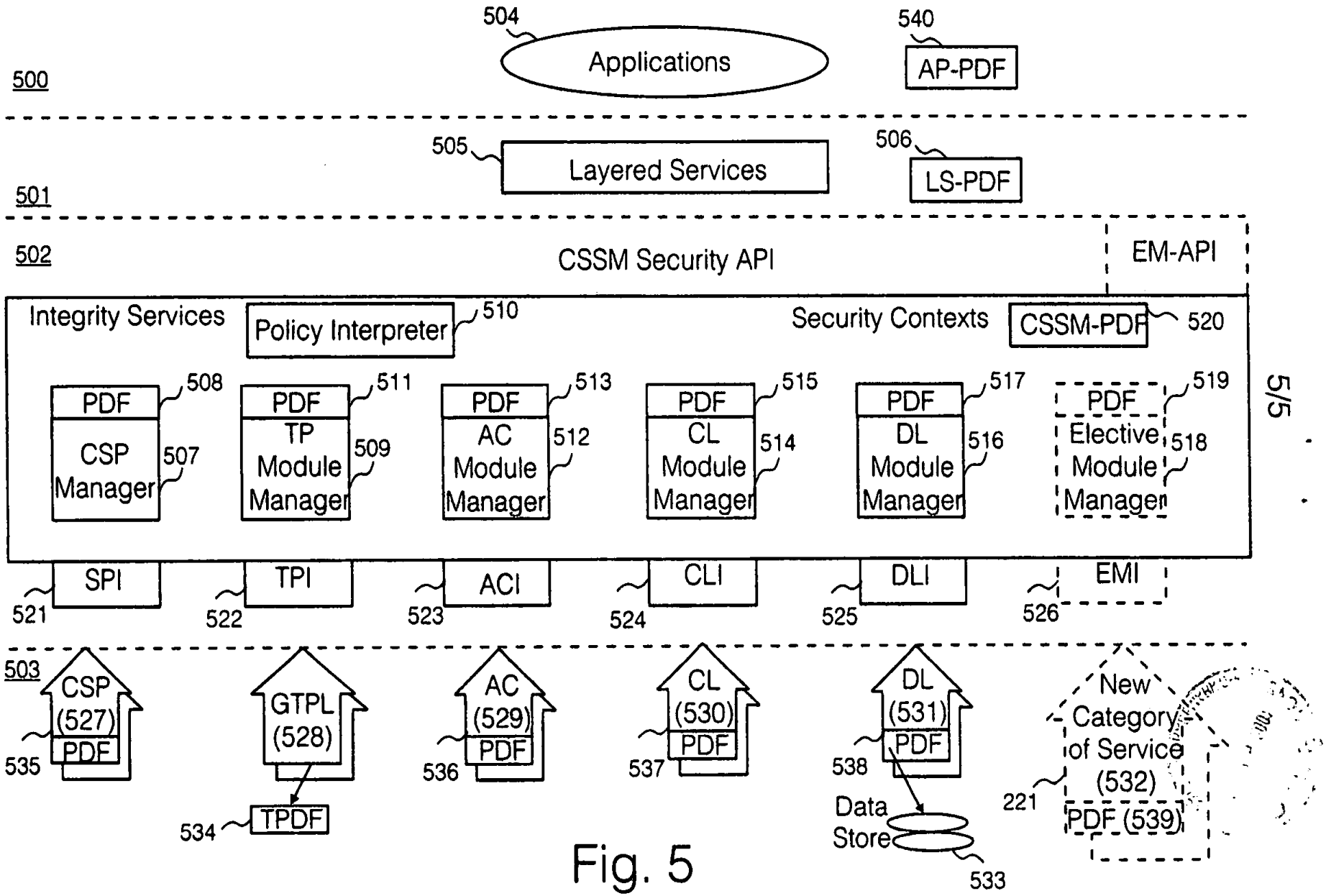
504
Applications
540
AP-PDF
500
505
Layered Services
506
LS-PDF
501
502
CSSM Security API
EM-API
Integrity Services
Policy Interpreter
510
Security Contexts
CSSM-PDF
520
PDF
CSP Manager
508
507
PDF
TP Module Manager
511
509
PDF
AC Module Manager
513
512
PDF
CL Module Manager
515
514
PDF
DL Module Manager
517
516
PDF
Elective Module Manager
519
518
SPI
521
TPI
522
ACI
523
CLI
524
DLI
525
EMI
526
503
CSP (527)
PDF
535
GTPL (528)
534
TPDF
AC (529)
PDF
536
CL (530)
PDF
537
DL (531)
PDF
538
Data Store
533
New Category of Service (532)
221
PDF (539)

Fig. 5